

D1
CONT.

regions of high homology corresponding to the domains 1, 2, 3 and 4 are underlined. The sequences corresponding to the peptides of 1 and 2 are indicated by the arrows.

Page 42, lines 29 to 31, replace the text in its entirety with the following:

D2

SEQ ID NO 17: sequence containing the sequence coding for the 3 resistance proteins as well as the flanking sequences and starting at the base 3501 and terminating at the base 6167, shown in Figure 5.

✓

IN THE CLAIMS

Please cancel Claims 37 and 42.

Please amend the claims as shown in the attached marked-up copy to read as follows:

D3

--36. (Amended) A composition comprising at least one isolated protein [encoded by] having a sequence selected from the group consisting of SEQ ID NO:2 (VanH), SEQ ID NO:6 (VanX), SEQ ID NO:8 (VanC), SEQ ID NO:12 (VanR), SEQ ID NO:14 (VanS), SEQ ID NO:19 (transposase), SEQ ID NO:21 (resolvase), SEQ ID NO:23 (VanY), SEQ ID NO:25 (VanZ) and combinations thereof.

D4

38. (Amended) A composition according to Claim 36 comprising proteins having the sequences of SEQ ID NO:2 and SEQ ID NO:6, further comprising a protein having the sequence of SEQ ID NO:4.

39. (Amended) A composition according to Claim 36 comprising proteins having the sequence of SEQ ID NO:2, SEQ ID NO:6 and SEQ ID NO:25.

40. (Amended) A composition according to Claim 38, further comprising proteins having the sequence of SEQ ID NO:12 and SEQ ID NO:14.

41. (Amended) A composition comprising at least one isolated protein or a fragment of a protein selected from the group consisting of

D4
CONT.

(a) a protein having an amino acid sequence selected from the group consisting of SEQ ID NO: 2 (VanH), a fragment of SEQ ID NO:2, SEQ ID NO: 4 (VanA), a fragment of SEQ ID NO:4; SEQ ID NO:6 (VanX), a fragment of SEQ ID NO. 6, SEQ ID NO:25 (VanZ), a fragment of SEQ ID NO:25; wherein said fragment of SEQ ID NO:2, of SEQ ID NO: 4, of SEQ ID NO: 6 or of SEQ ID NO: 25 is necessary for conferring resistance to glycopeptides in Gram-positive bacteria; and

(b) a protein or fragment thereof which is encoded by a sequence hybridizing with one nucleotide sequence selected from the group consisting of SEQ ID NO:17, SEQ ID NO:3, SEQ ID NO:1 and SEQ ID NO:5 under high stringency conditions or only slightly stringent conditions; wherein said high stringency conditions comprise hybridization overnight at 65°C in a solution containing 0.1% SDS, 0.7% skim milk powder, 6X SSC and washing at 65°C in 2X SSC, and 0.1 % SDS and wherein said slightly stringent conditions comprise hybridization at 60°C and washing at 45°C, wherein said protein or fragment thereof is necessary for conferring resistance to glycopeptides in Gram-positive bacteria.
